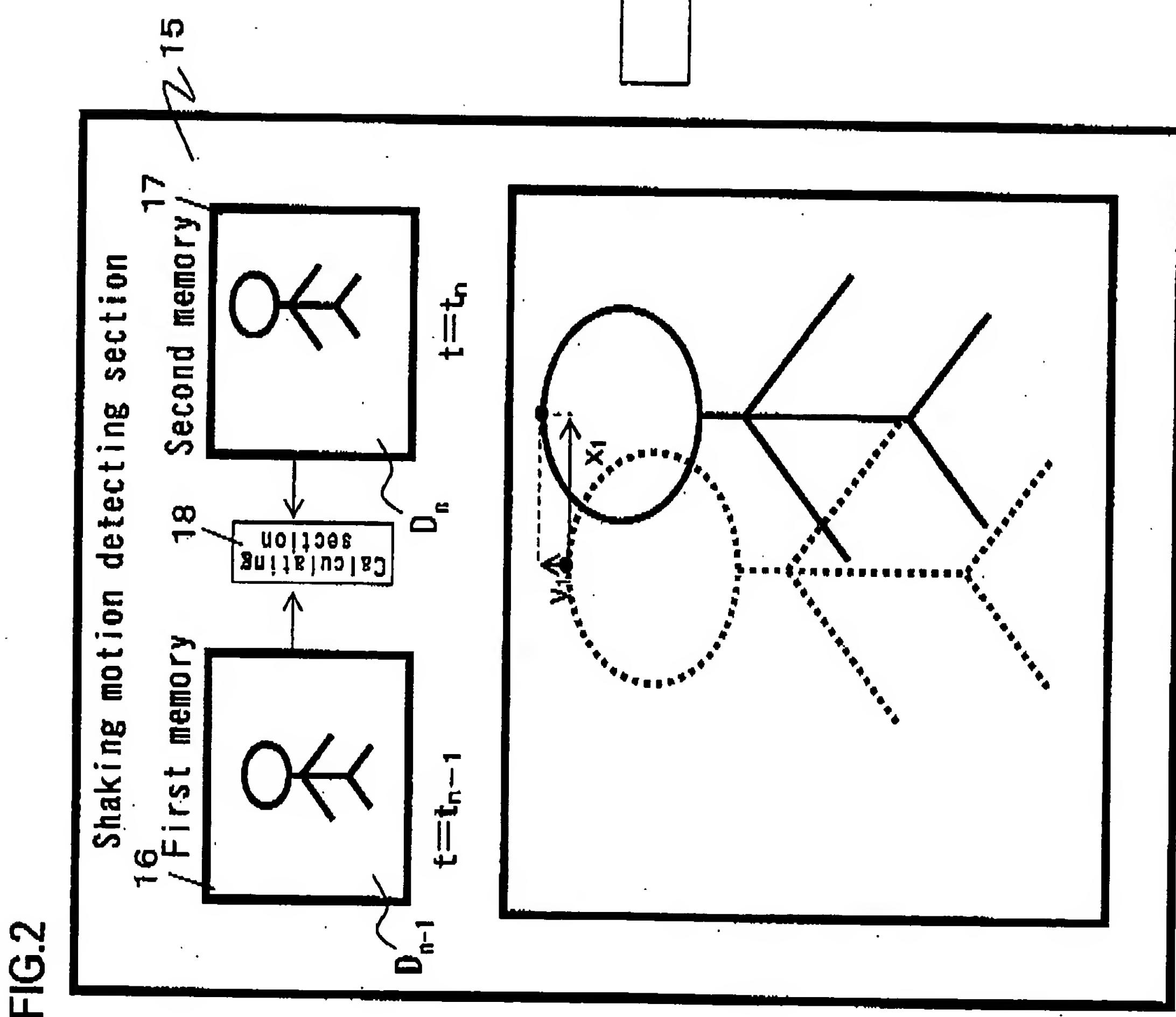


Title: Information Generating Apparatus,
Image Pickup Apparatus and Image Pickup
Method
Inventor: Mitsuaki OSHIMA
Docket No. 49288.1800
EL426461938US

2/24



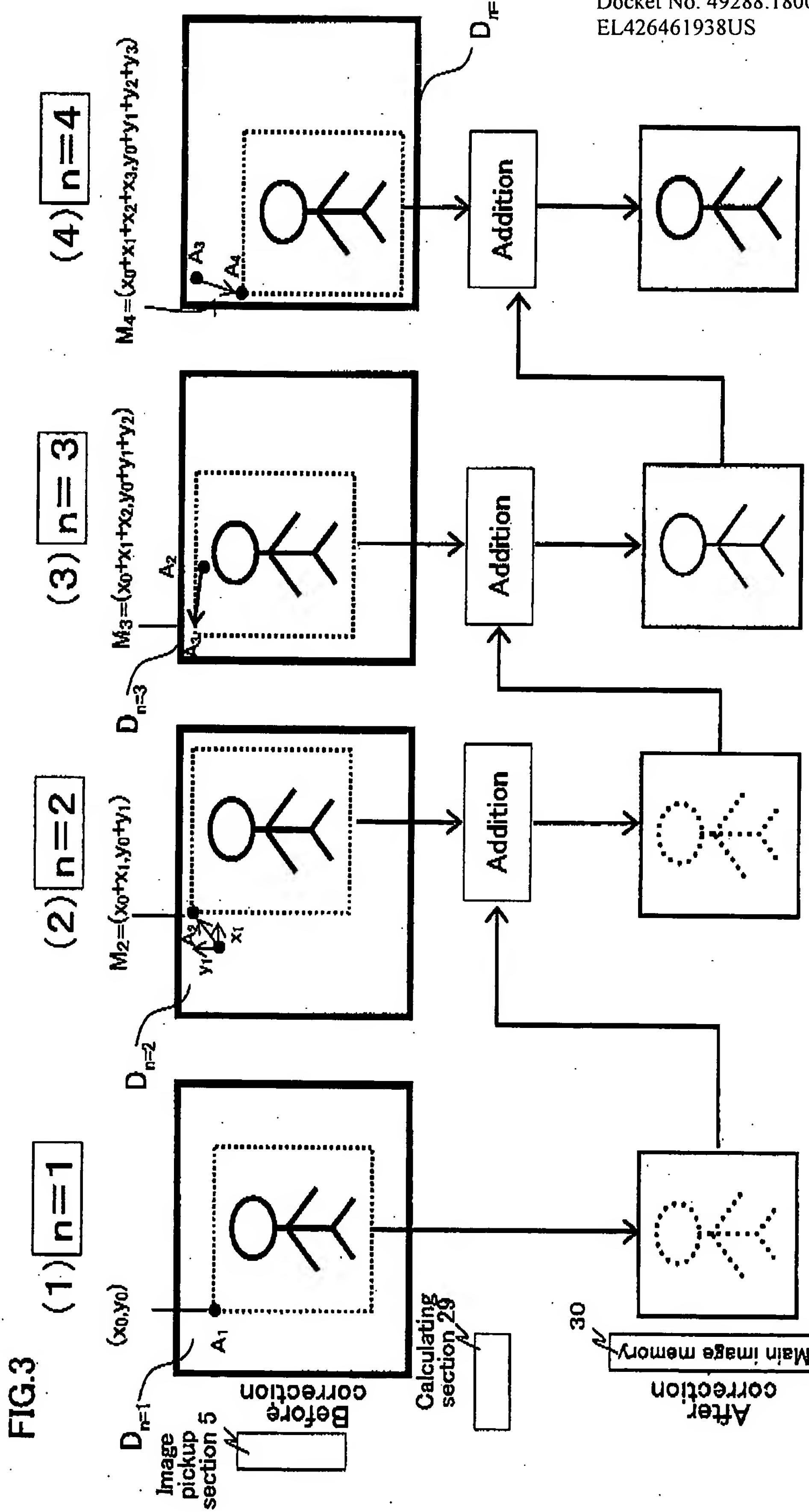
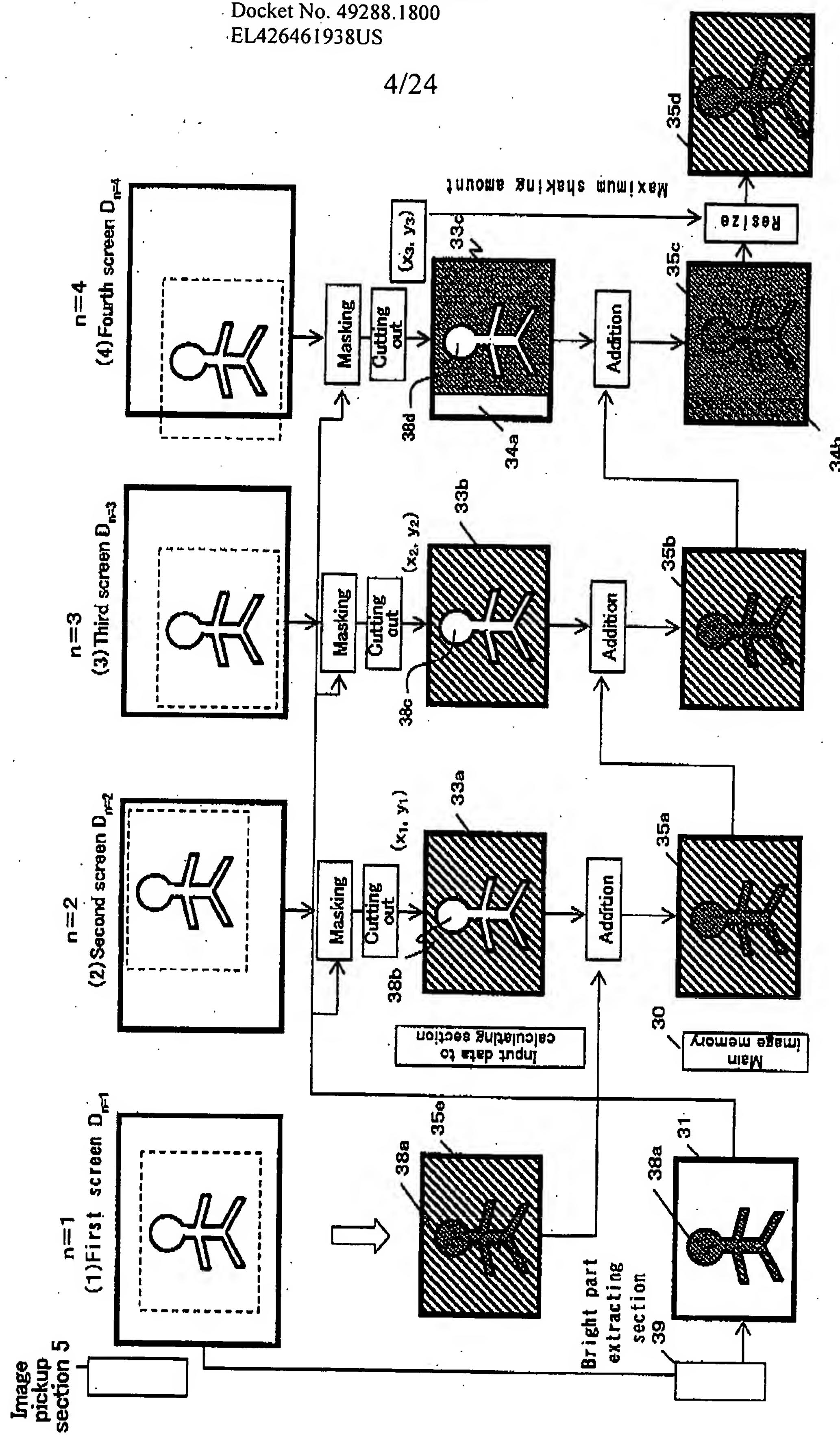
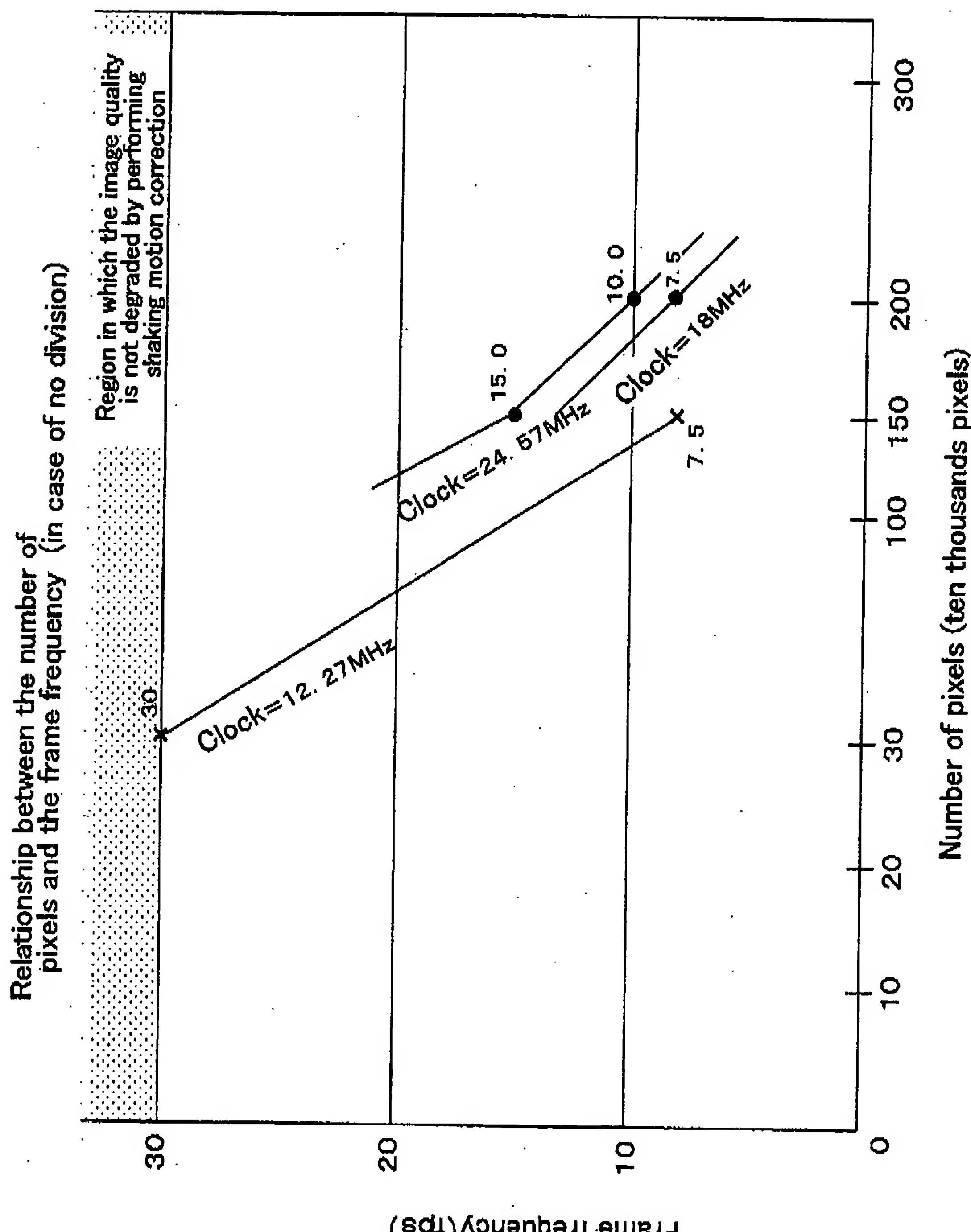
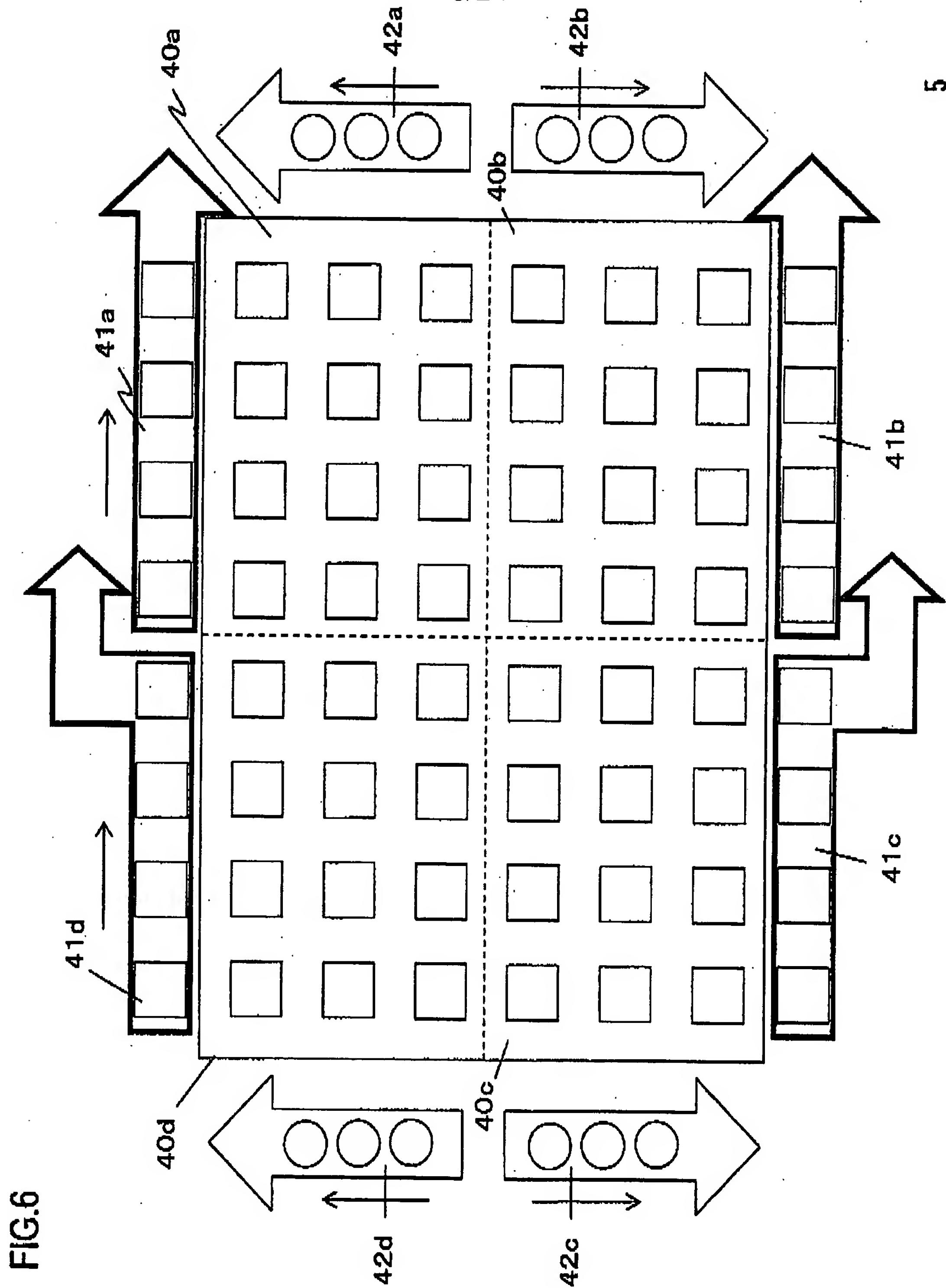


FIG.4

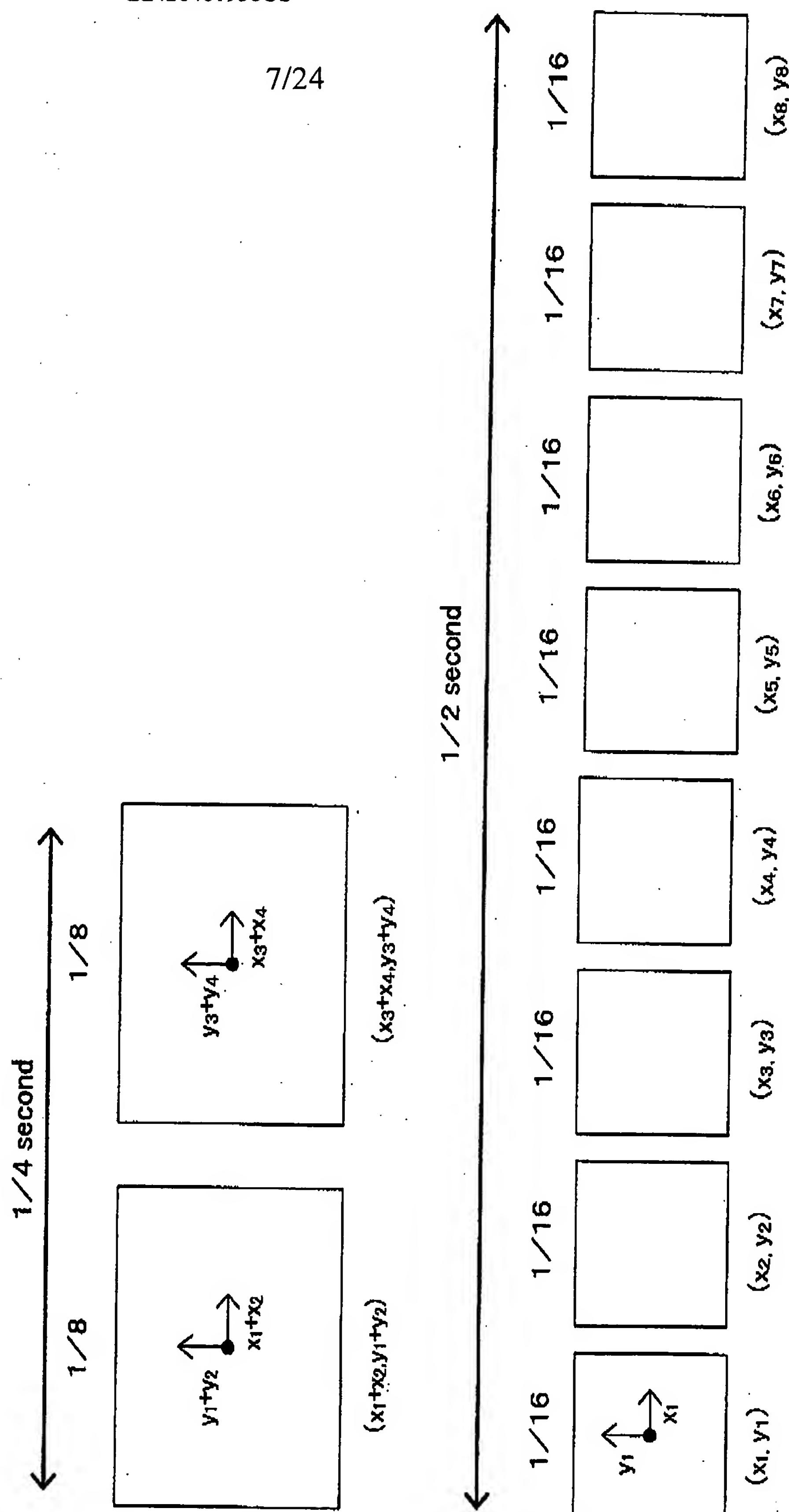






7/24

FIG.7



8/24

FIG.8

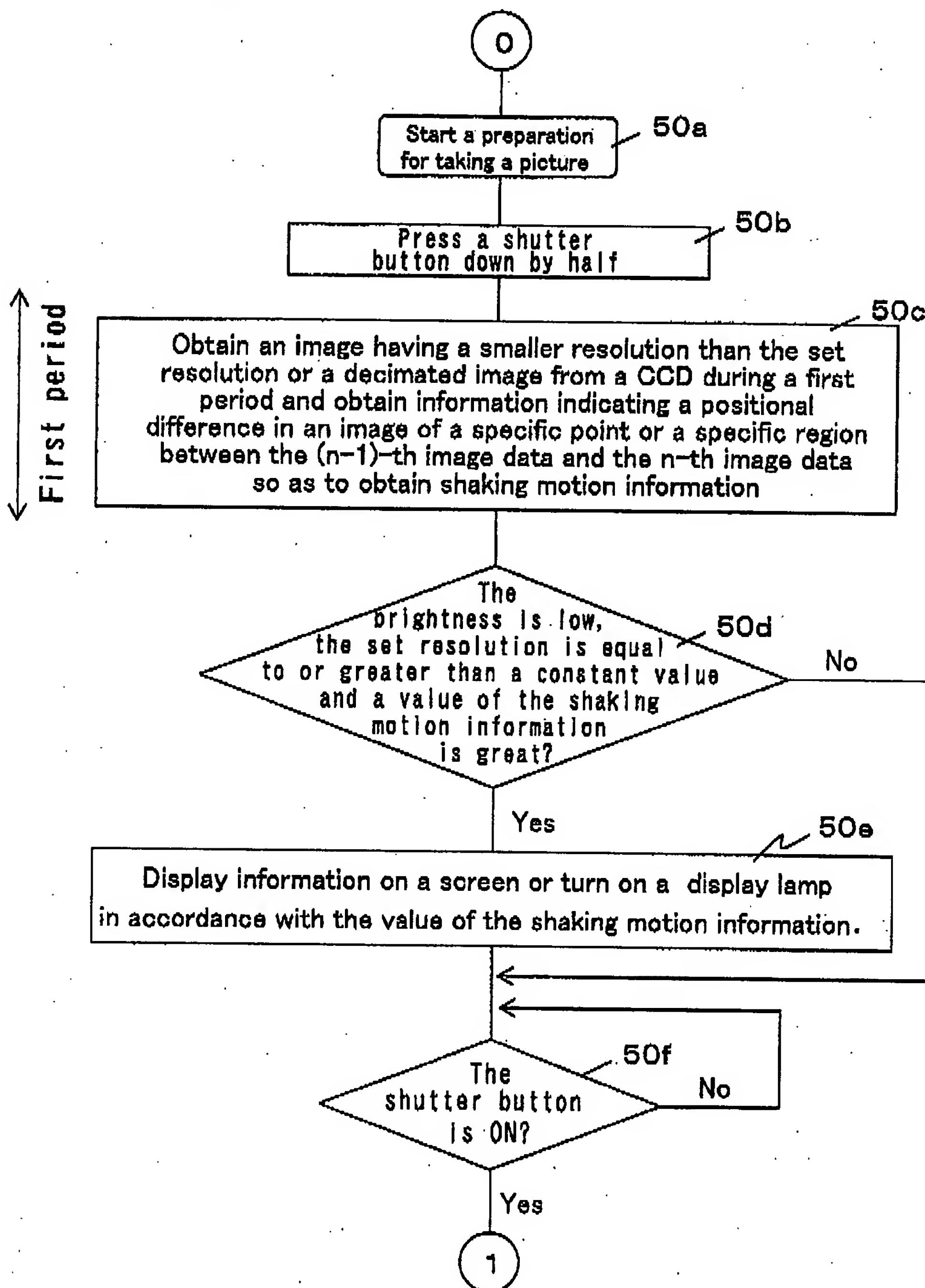


FIG.9

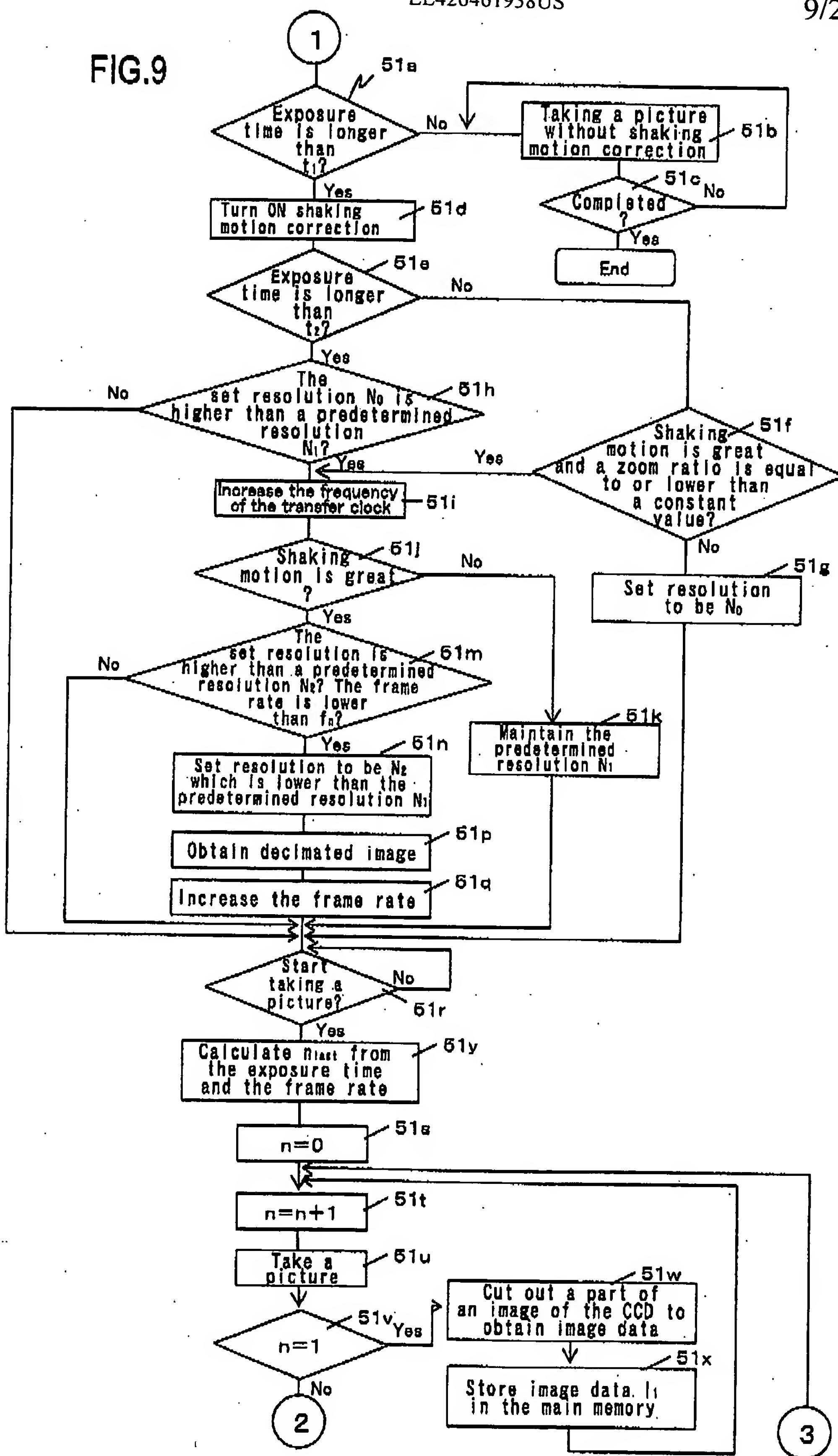
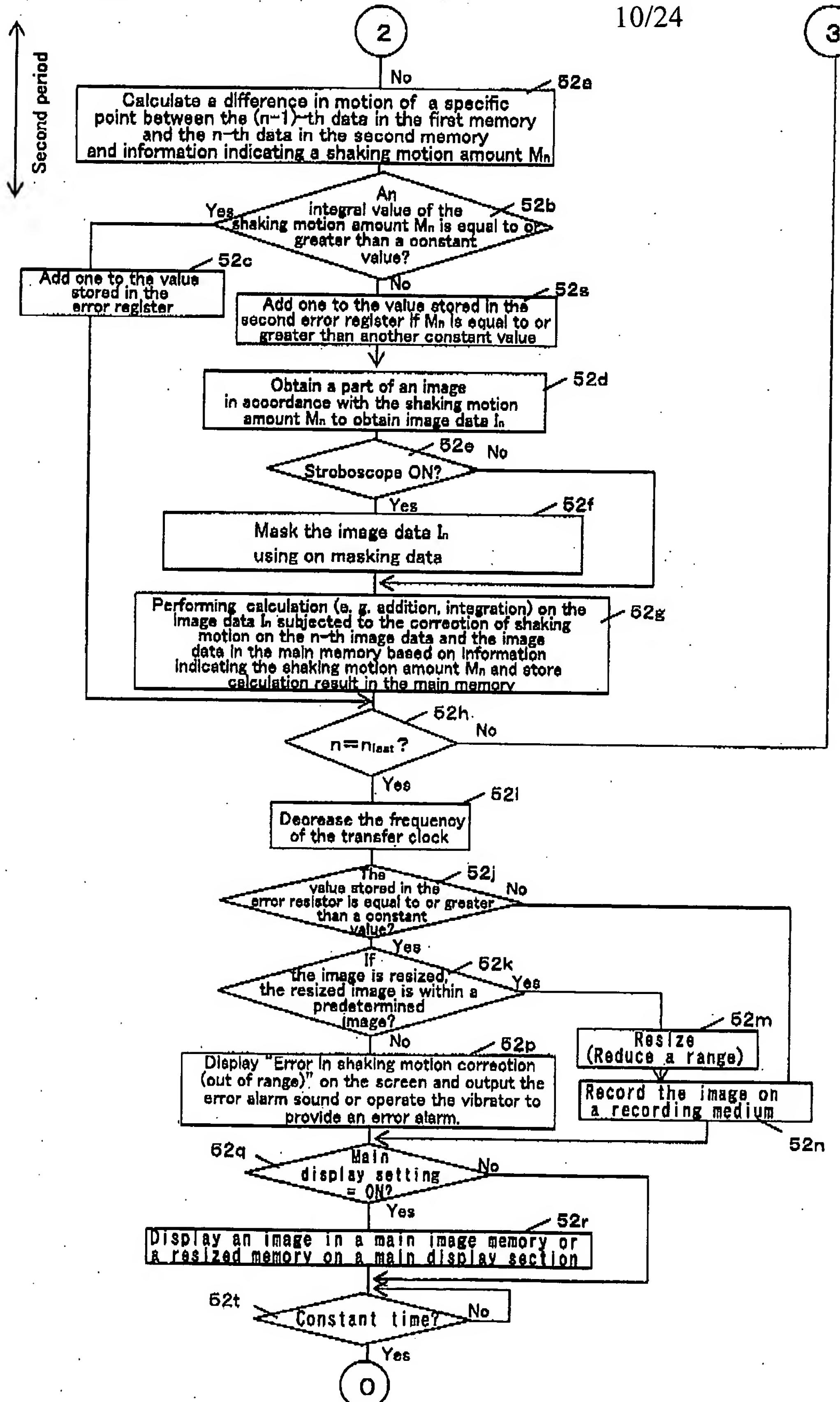


FIG.10

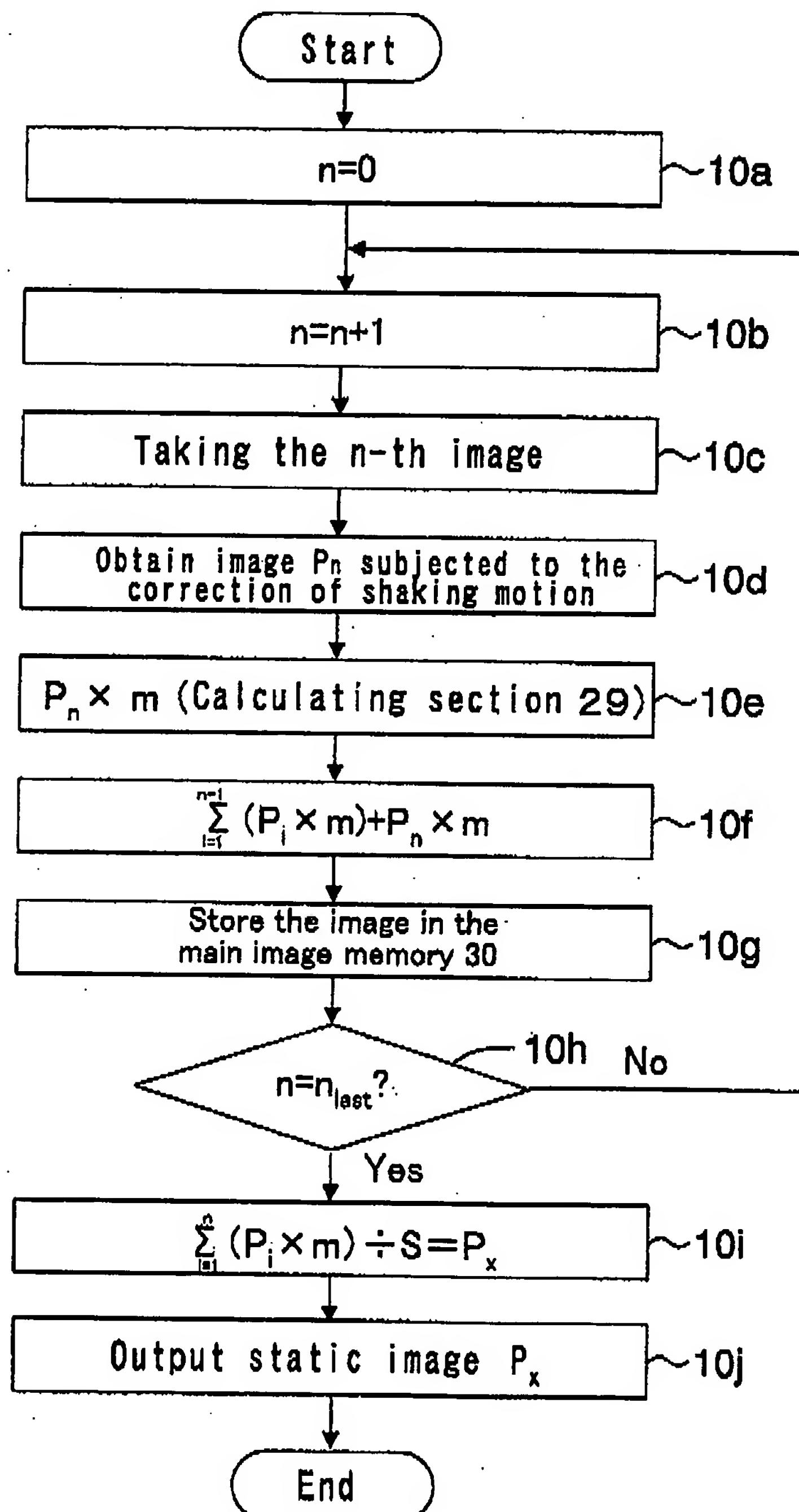
10/24



Title: Information Generating Apparatus,
Image Pickup Apparatus and Image Pickup
Method
Inventor: Mitsuaki OSHIMA
Docket No. 49288.1800
EL426461938US

11/24

FIG.11



Title: Information Generating Apparatus,
Image Pickup Apparatus and Image Pickup
Method
Inventor: Mitsuaki OSHIMA
Docket No. 49288.1800
EL426461938US

FIG.12

12/24

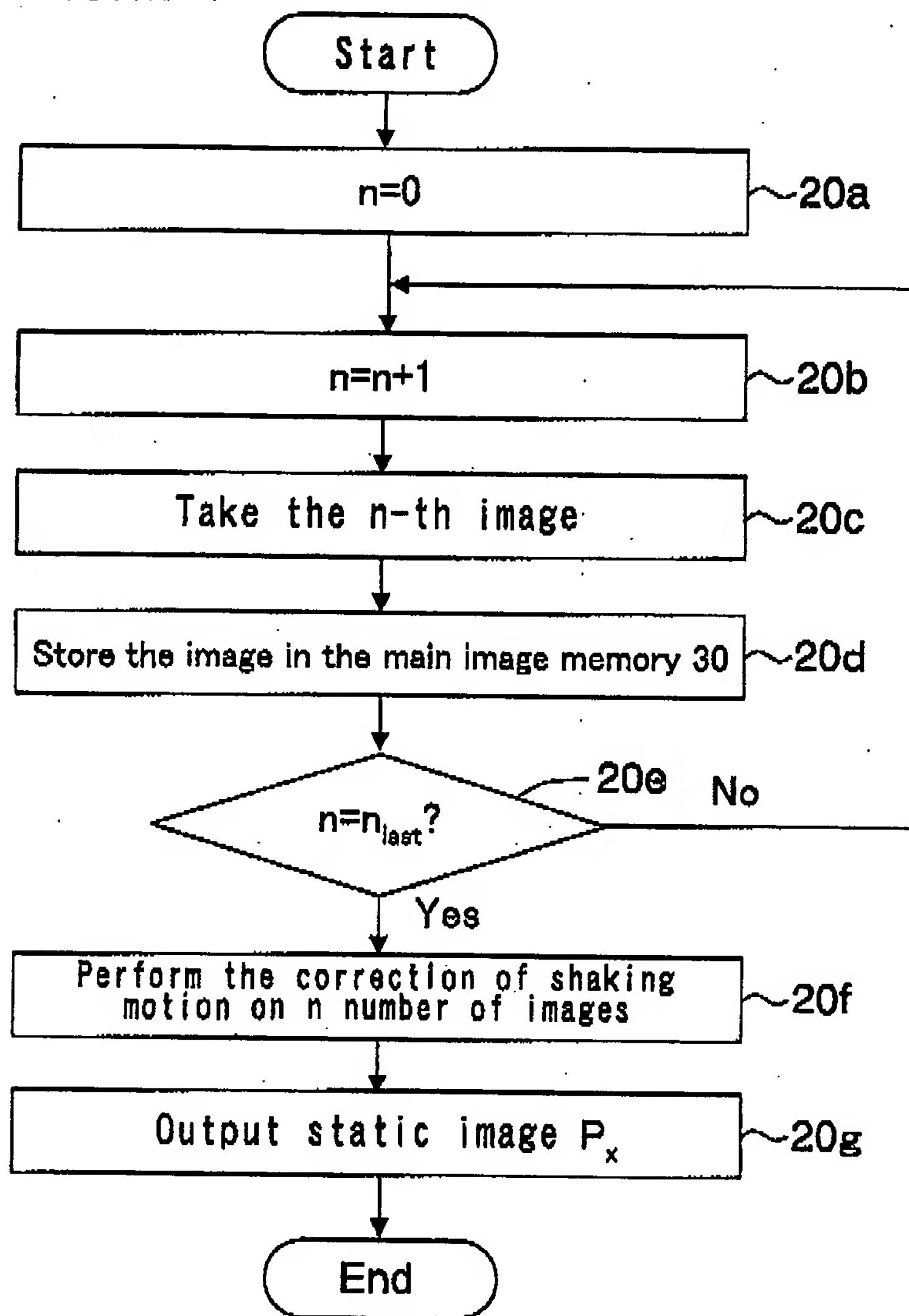


FIG.13

13/24

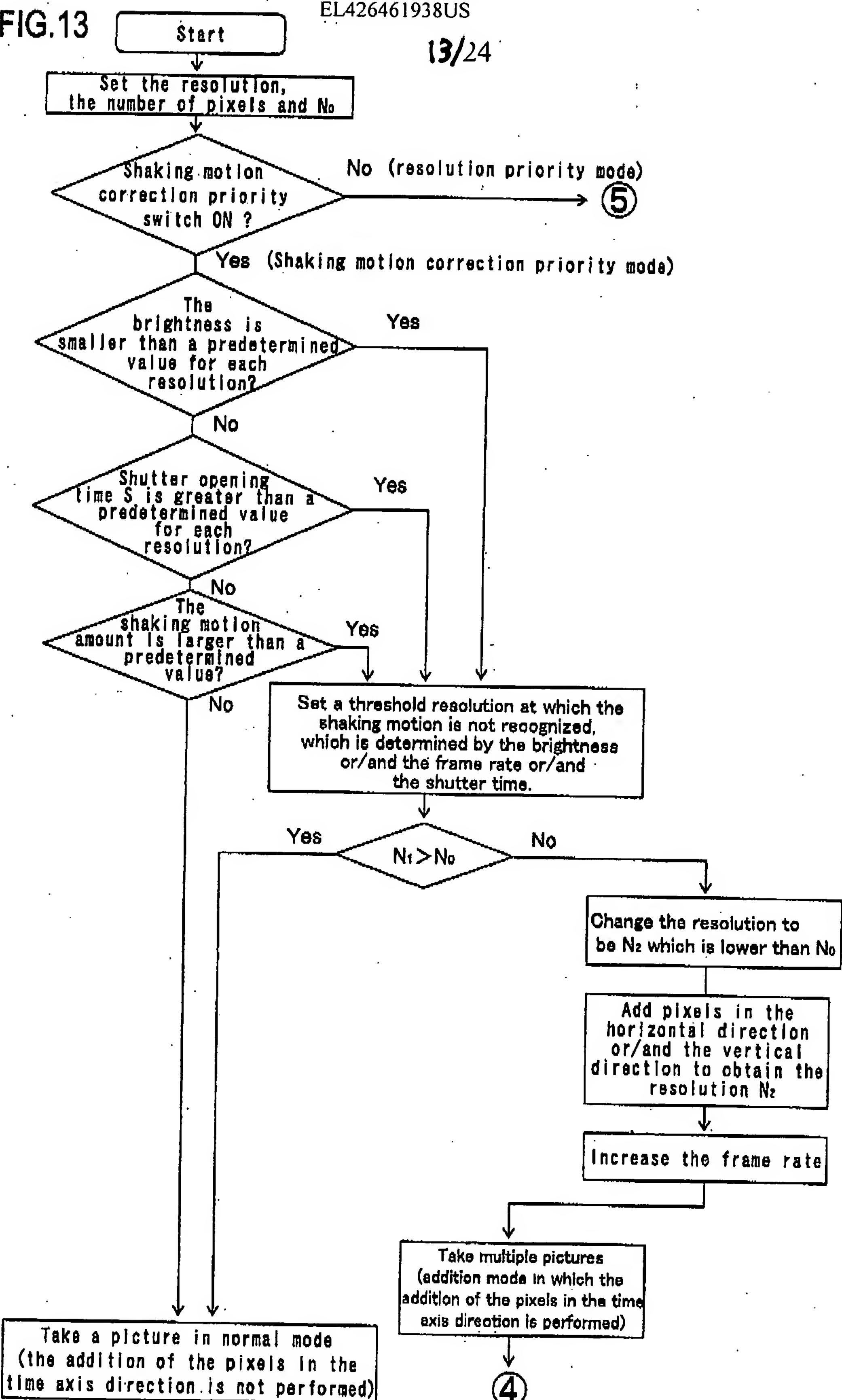
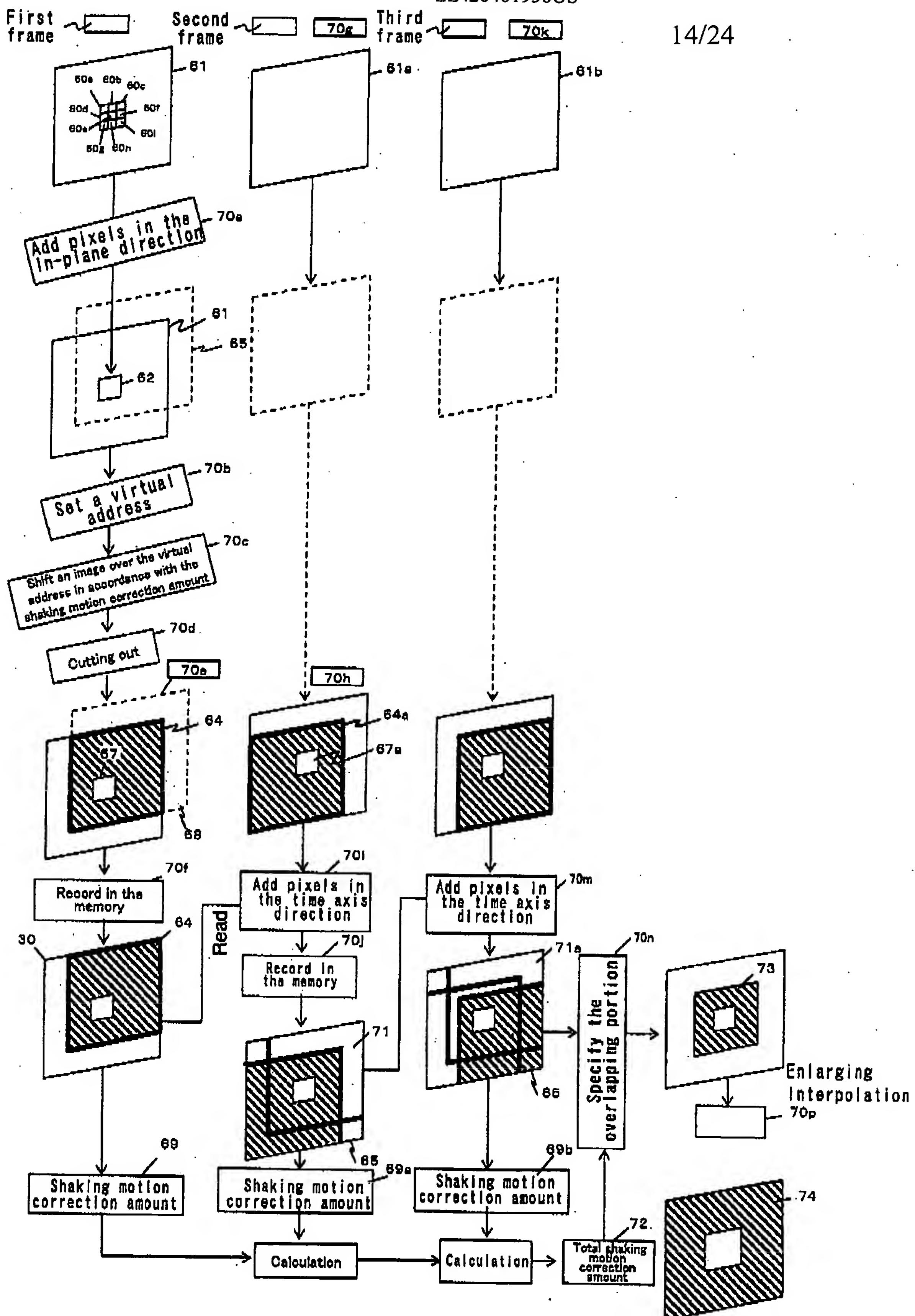


FIG. 14

14/24



Title: Information Generating Apparatus,
Image Pickup Apparatus and Image Pickup
Method
Inventor: Mitsuaki OSHIMA
Docket No. 49288.1800
EL426461938US

15/24

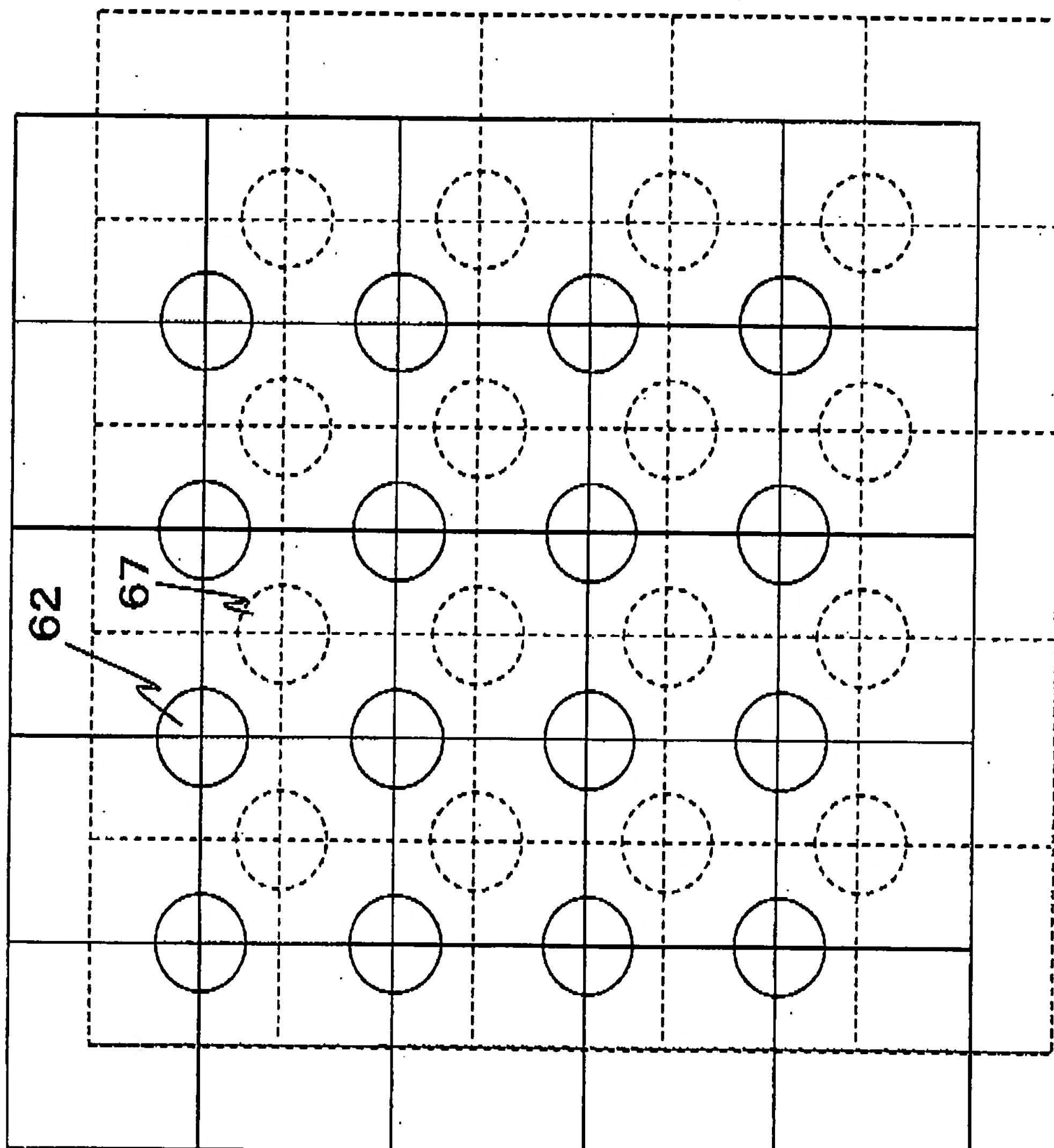
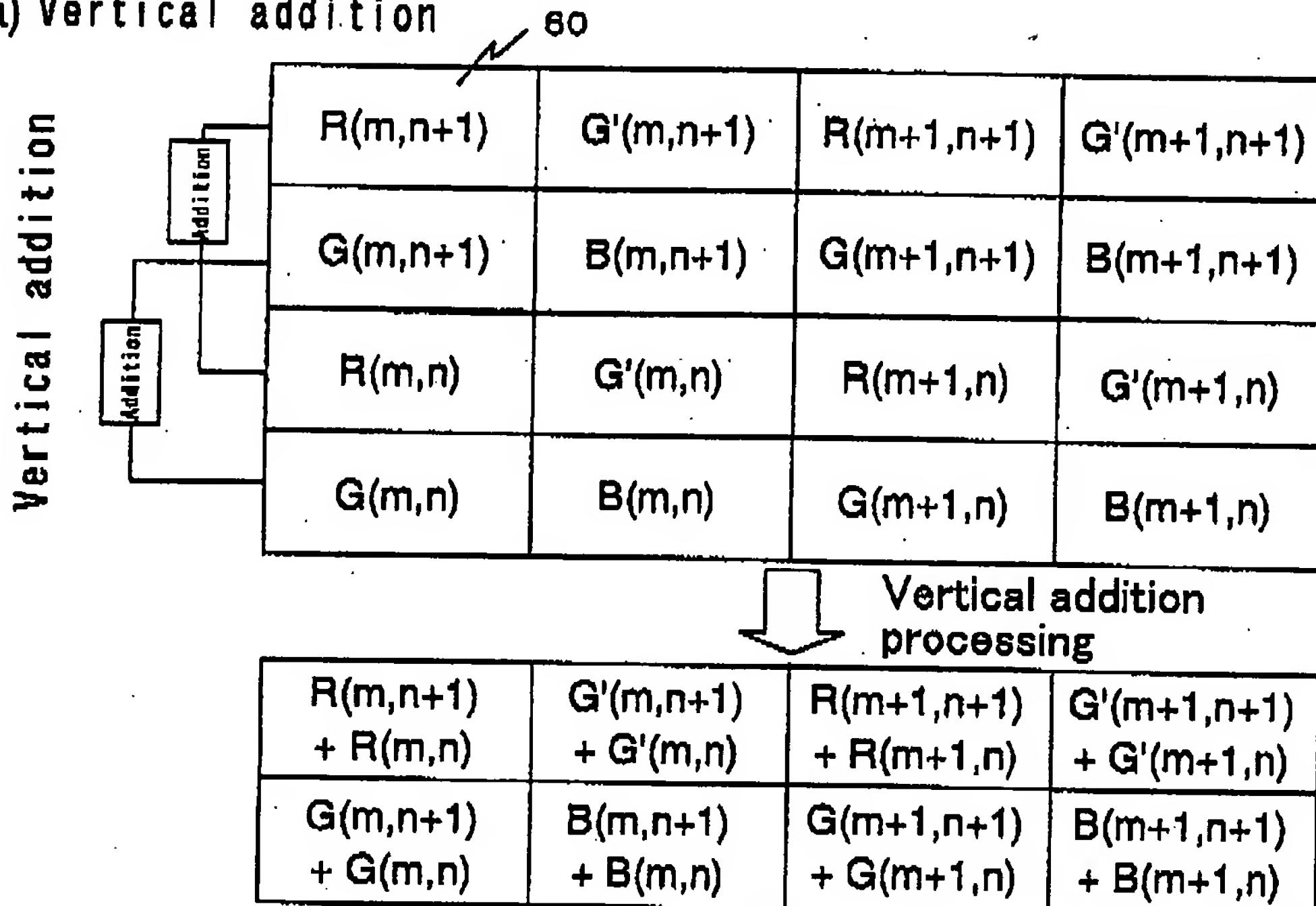


FIG.15

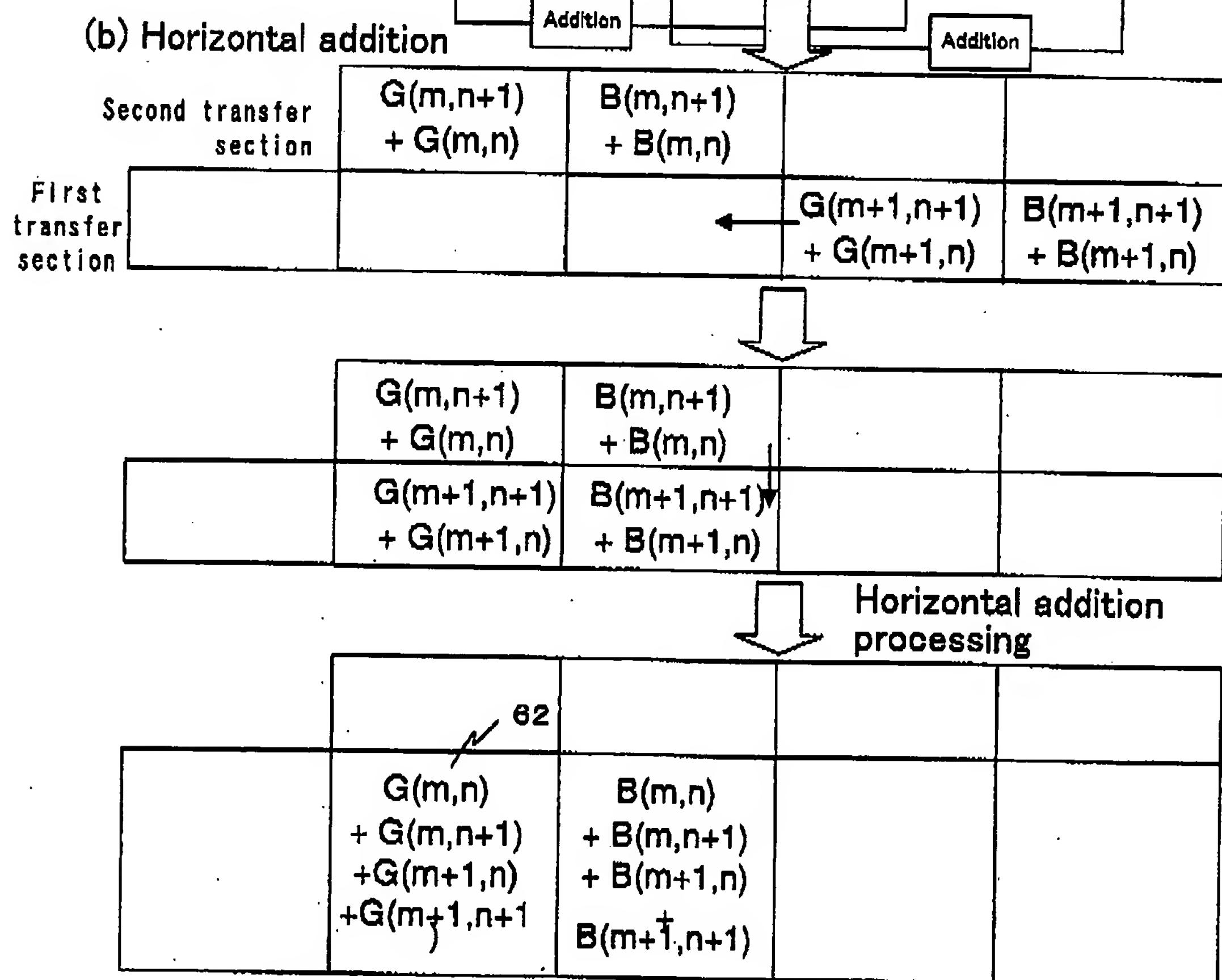
16/24

FIG.16

(a) Vertical addition



(b) Horizontal addition



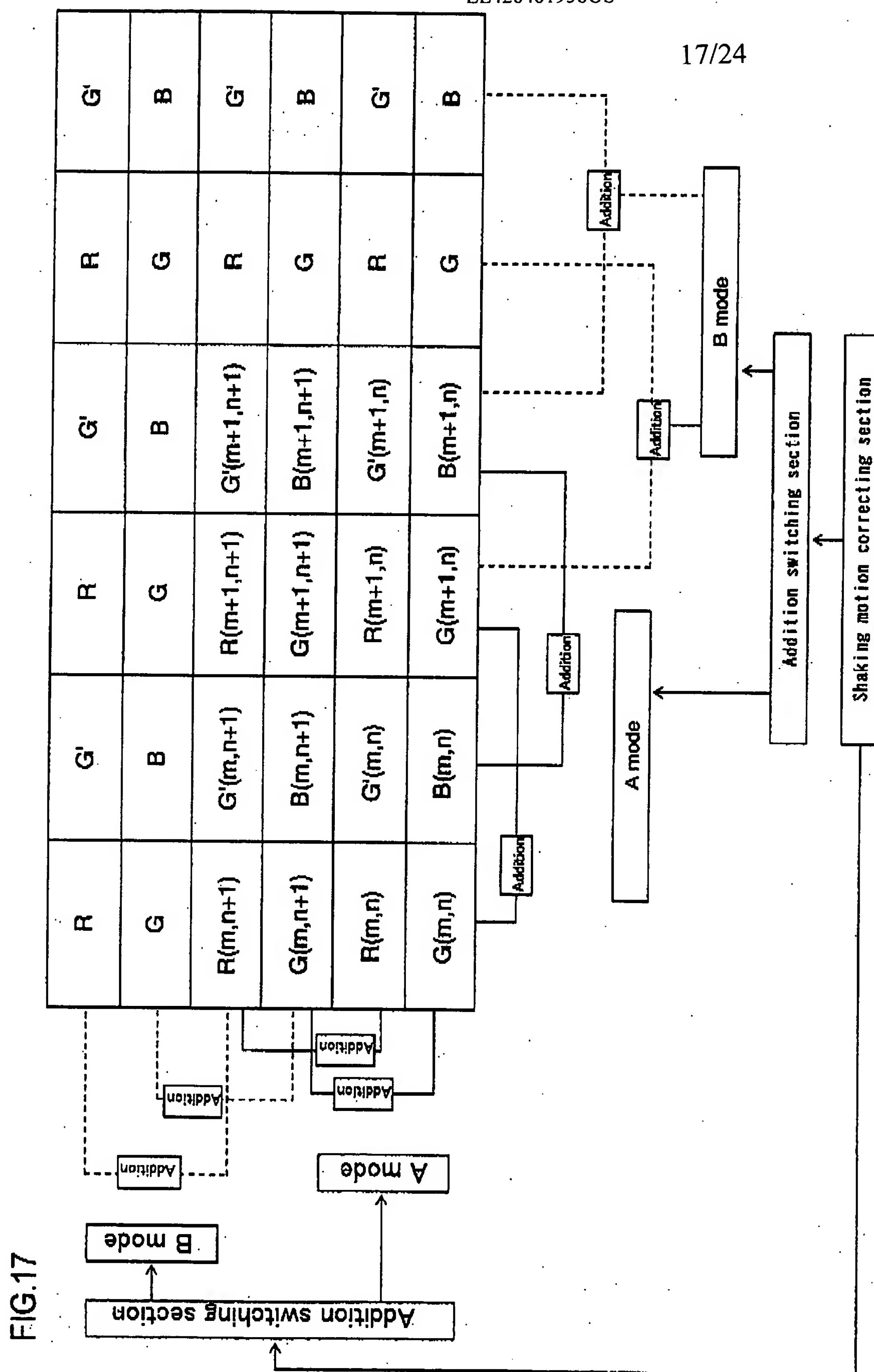
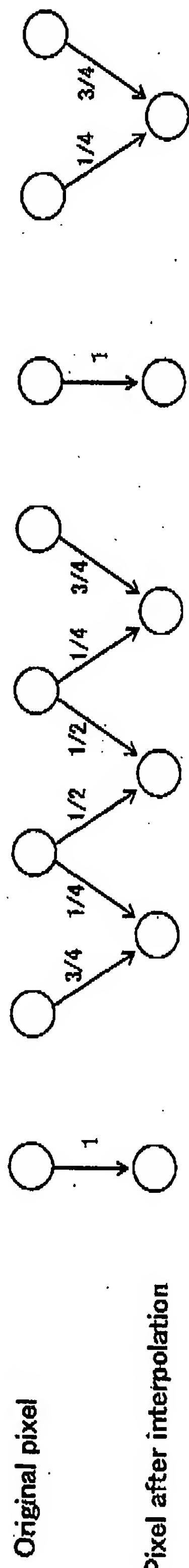
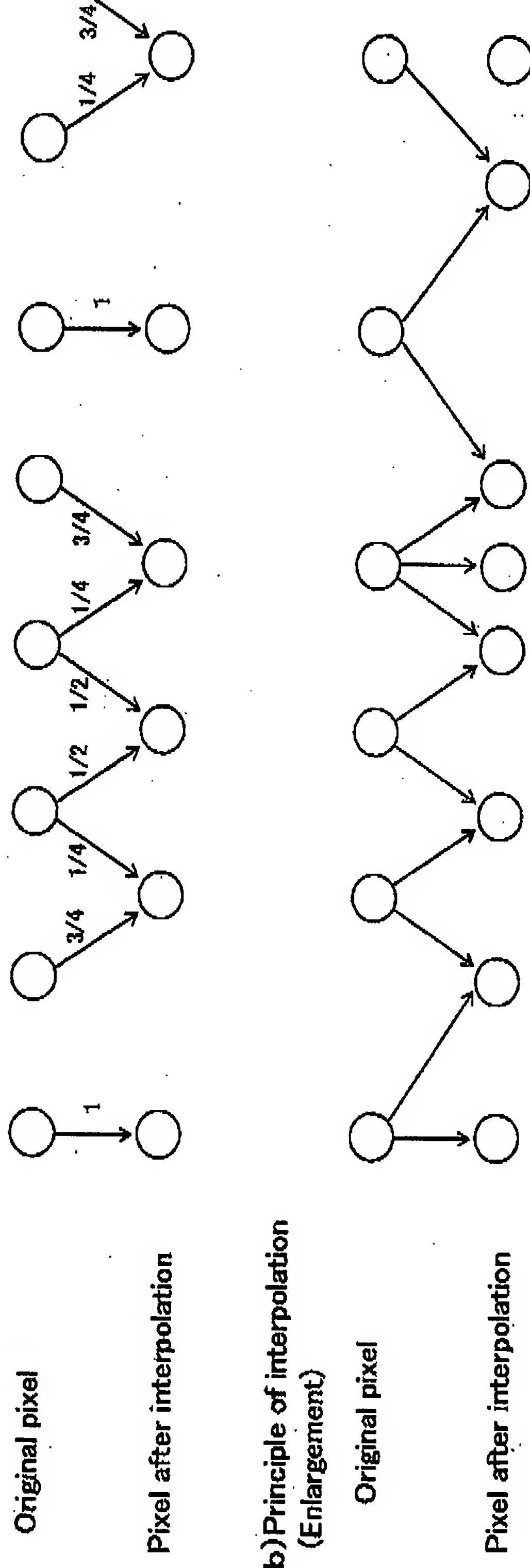


FIG.18
 (a) Principle of interpolation
 (Reduction)



(b) Principle of interpolation
 (Enlargement)



(c) Shaking motion correction with
 high resolution

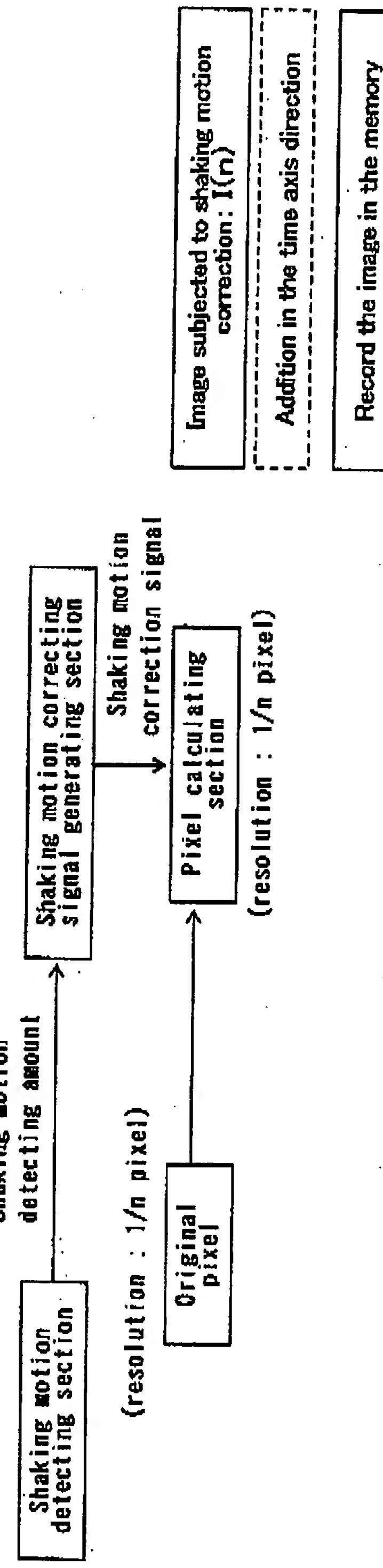


FIG. 19

19/24

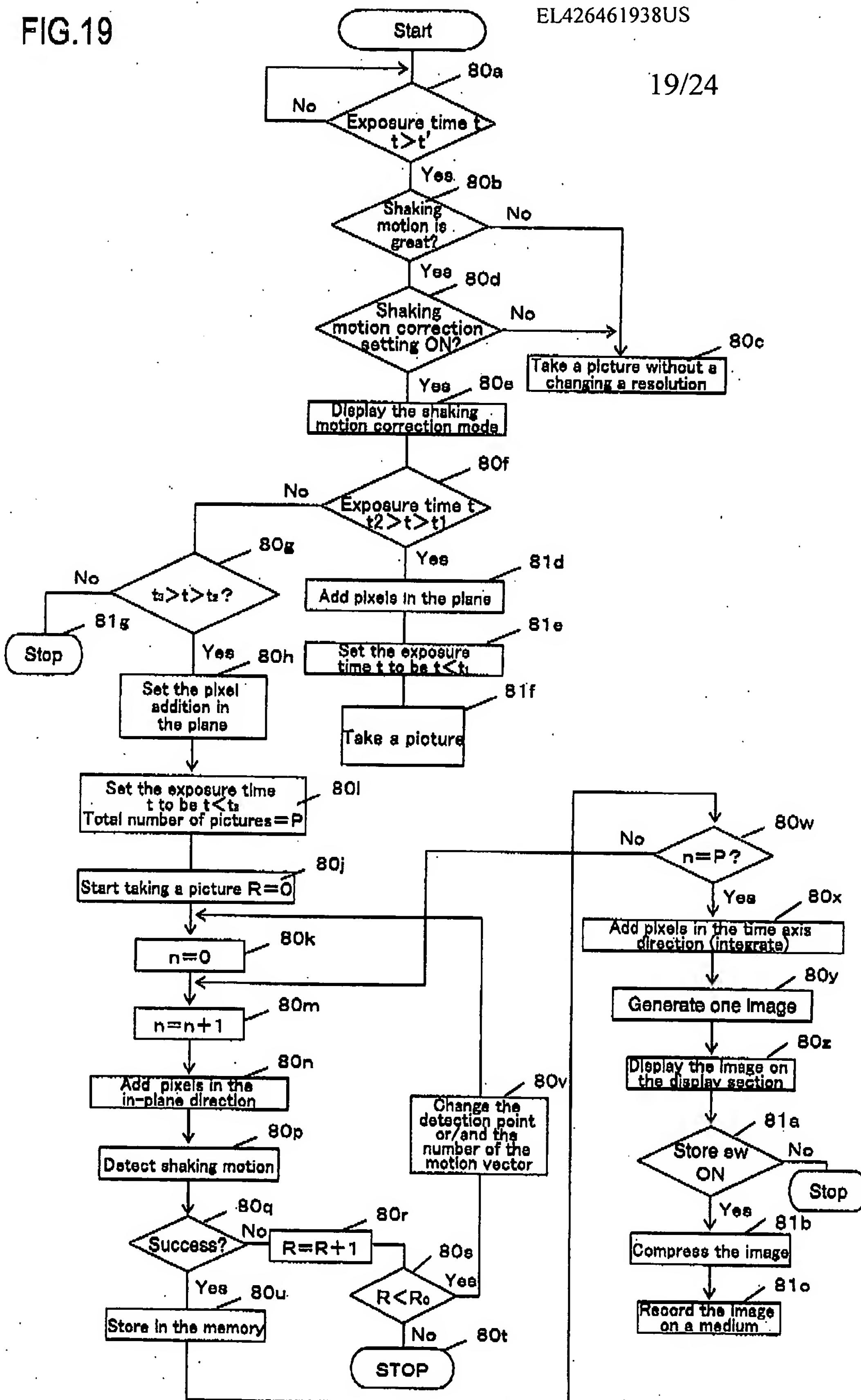
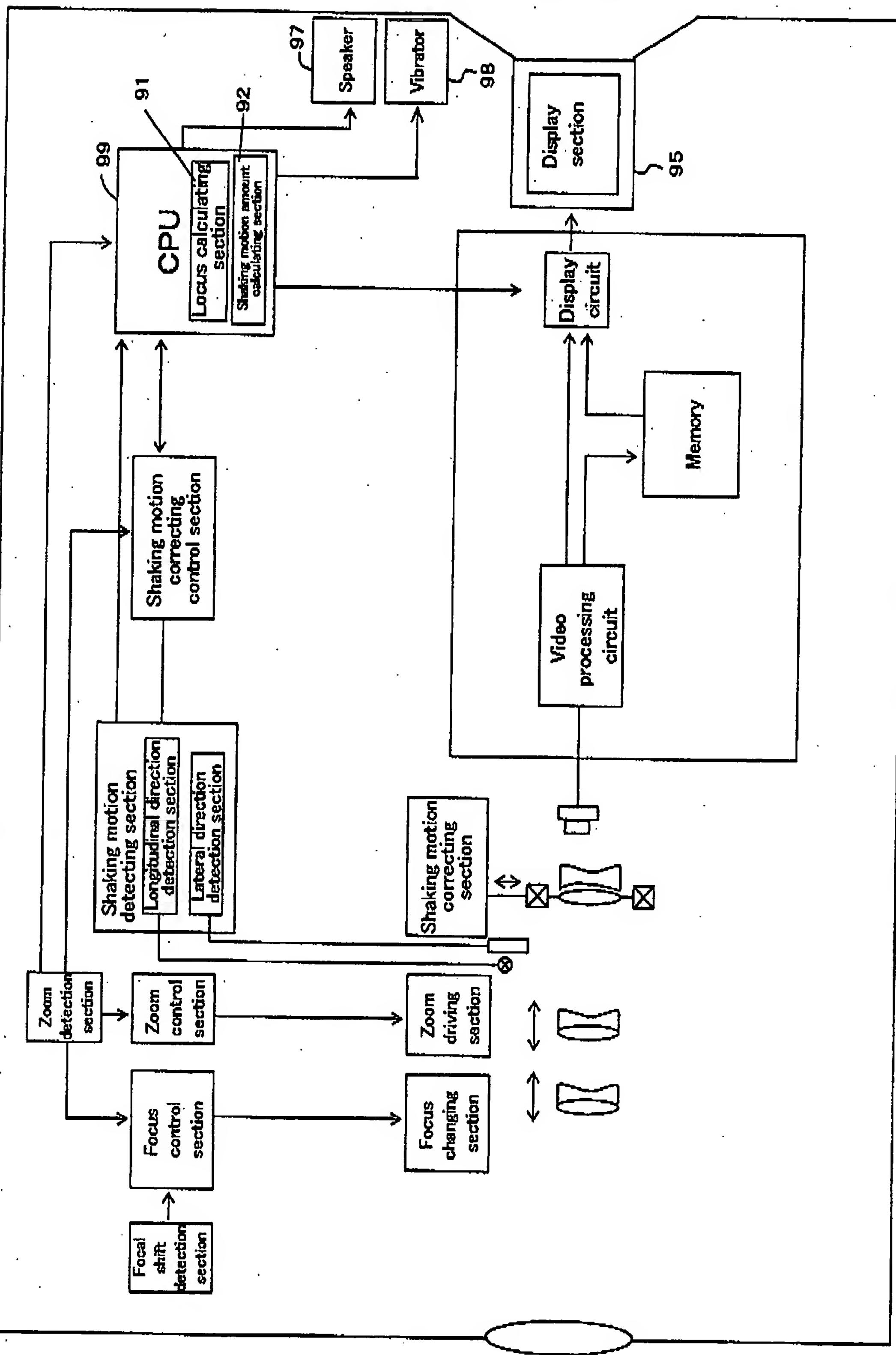
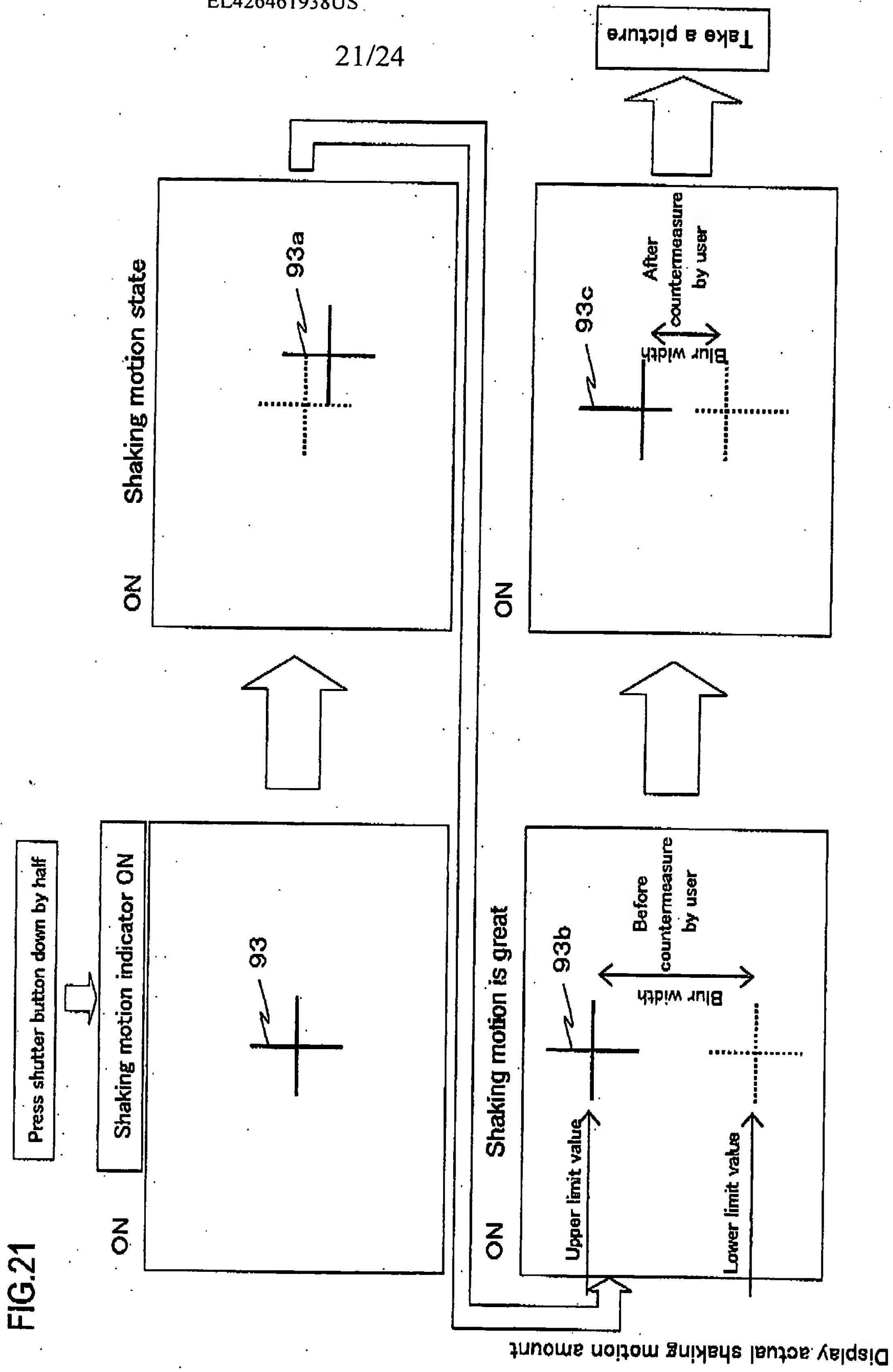


FIG.20



Title: Information Generating Apparatus,
Image Pickup Apparatus and Image Pickup
Method
Inventor: Mitsuaki OSHIMA
Docket No. 49288.1800
EL426461938US

21/24



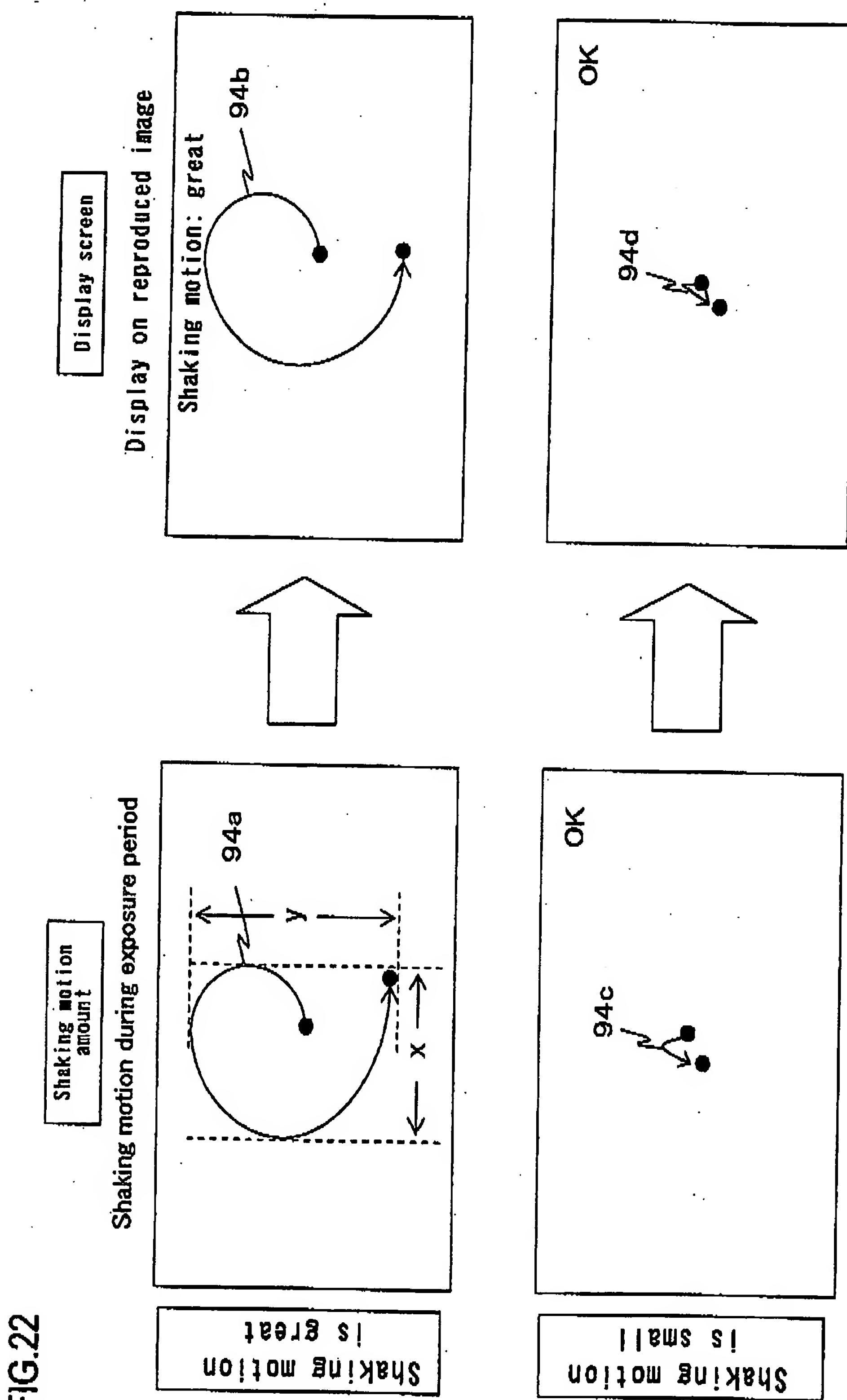
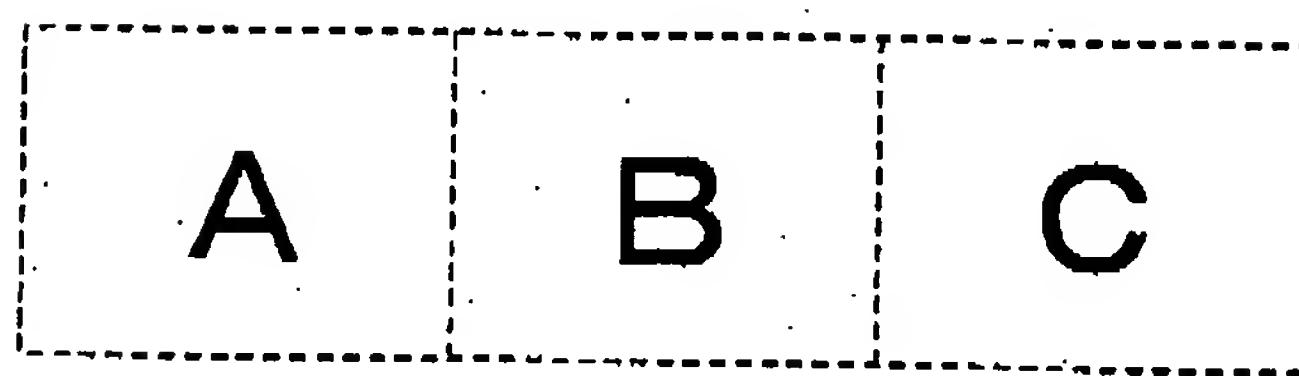
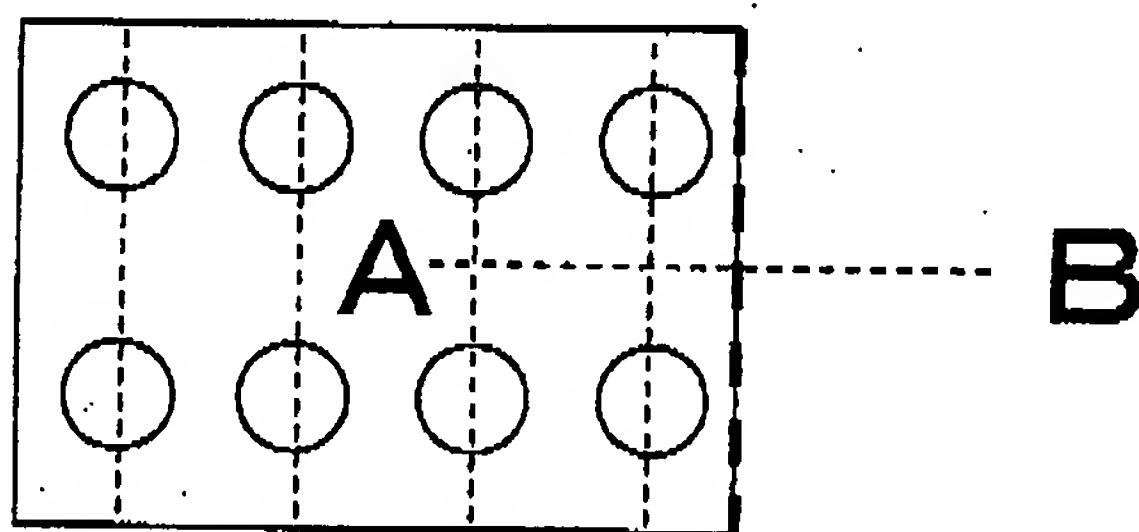


FIG.23

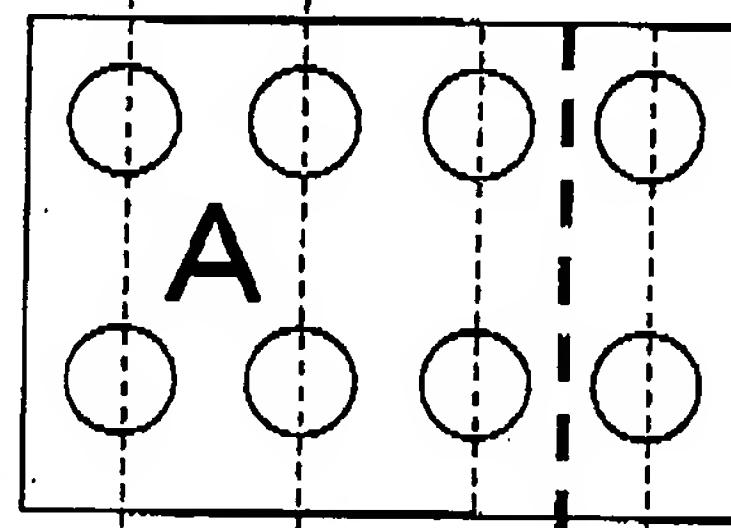
(a)



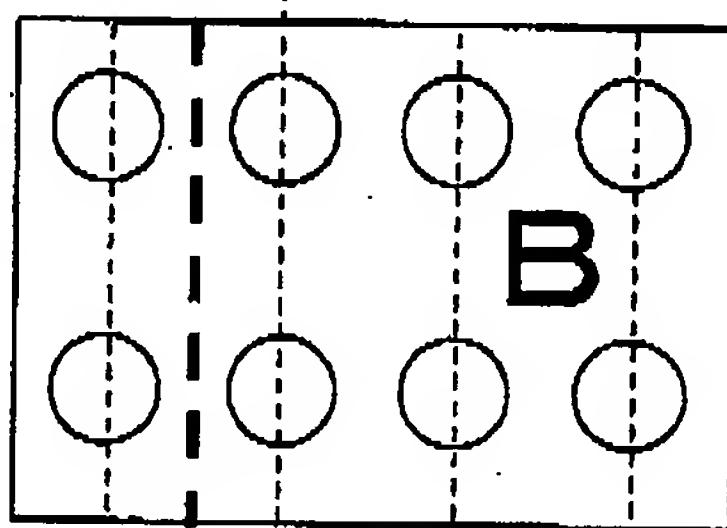
(b)



(c)



(d)



(e)

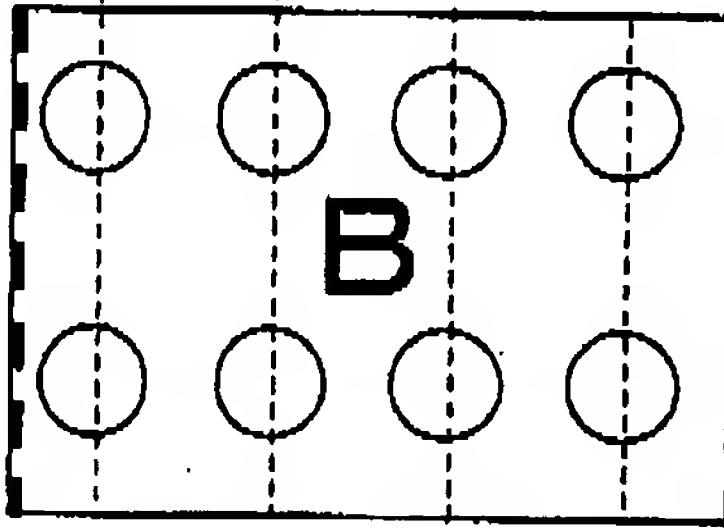
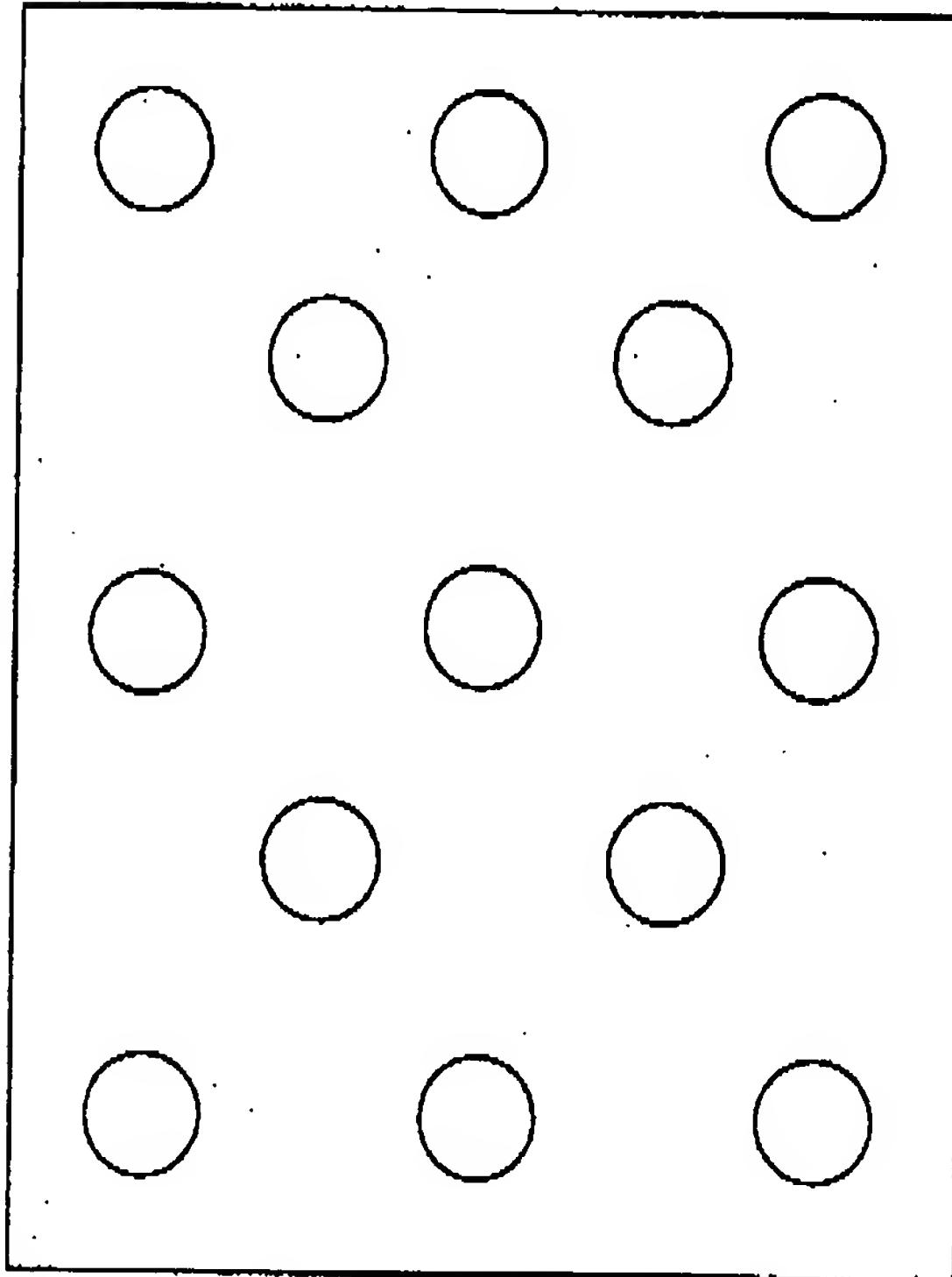
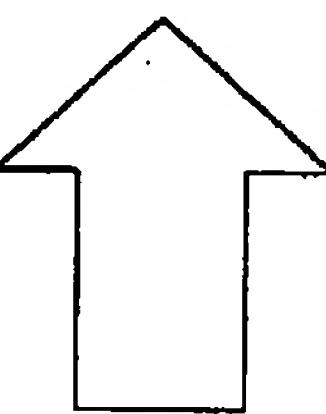


FIG.24

Number of sample points : m



LOW frame rate



Number of sample points : n

